

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/041672 A3

(51) International Patent Classification⁷: **H05B 6/70, 6/72**

(21) International Application Number:
PCT/US2004/035252

(22) International Filing Date: 21 October 2004 (21.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/513,110 21 October 2003 (21.10.2003) US
60/513,111 24 October 2003 (24.10.2003) US
60/550,578 5 March 2004 (05.03.2004) US
60/614,877 30 September 2004 (30.09.2004) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:
US 10/614,479 (CIP)
Filed on 7 July 2003 (07.07.2003)

US 10/614,268 (CIP)
Filed on 7 July 2003 (07.07.2003)
US 10/614,710 (CIP)
Filed on 7 July 2003 (07.07.2003)
US 10/614,532 (CIP)
Filed on 7 July 2003 (07.07.2003)

(71) Applicant (for all designated States except US): **GLOBAL APPLIANCE TECHNOLOGIES, INC.** [US/US]; 1103 Concord Avenue, Southlake, TX 76092 (US).

(72) Inventor; and

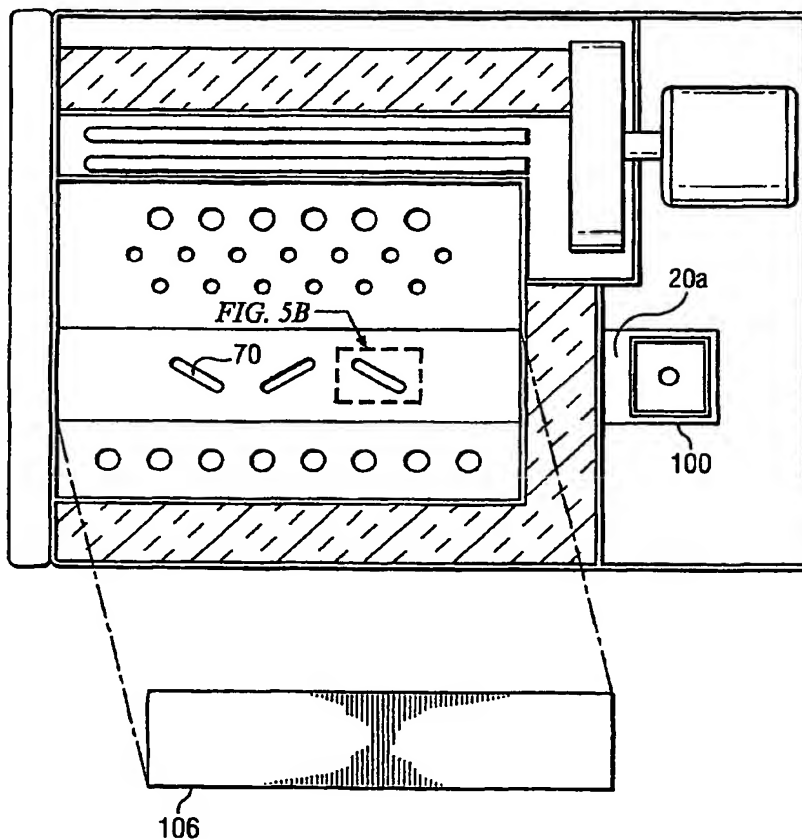
(75) Inventor/Applicant (for US only): **MCFADDEN, David, H.** [US/US]; 9 Pine Knoll Road, Lexington, MA 02420 (US).

(74) Agent: **BOLTON, David, A.**; 1103 Concord Avenue, Southlake, TX 76092 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

[Continued on next page]

(54) Title: **SPEED COOKING OVEN WITH SLOTTED MICROWAVE ANTENNA**



(57) Abstract: A speed cooking oven (1) has a cooking cavity (2), and a microwave waveguide (20a) with slotted antenna (70) which efficiently emits electromagnetic energy (51a) to assist with the speed cooking of food product (10).



AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU, ZA, ZM, ZW.

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

(88) **Date of publication of the international search report:**
6 October 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.